

Name: _____

Date: _____

FOIL and Factor solution (version 111)

FOIL the expressions shown below:

1. $(x + 5)(x + 6)$

$$x^2 + 11x + 30$$

2. $(x - 5)(x - 7)$

$$x^2 - 12x + 35$$

3. $(x + 4)(x + 8)$

$$x^2 + 12x + 32$$

4. $(x + 6)(x - 6)$

$$x^2 - 36$$

5. $(x + 7)(x + 8)$

$$x^2 + 15x + 56$$

Factor the expressions shown below:

6. $x^2 - 3x - 54$

$$(x - 9)(x + 6)$$

7. $x^2 - 9x + 14$

$$(x - 7)(x - 2)$$

8. $x^2 - 10x + 24$

$$(x - 6)(x - 4)$$

9. $x^2 - 10x + 25$

$$(x - 5)(x - 5)$$

10. $x^2 - 1$

$$(x + 1)(x - 1)$$